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Datasheet for ABIN7043414 anti-ORAI2 antibody (Intracellular, N-Term)



Overview

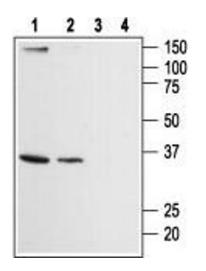
2

Images

Uverview	
Quantity:	50 µL
Target:	ORAI2
Binding Specificity:	AA 16-32, Intracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CPEPGHKGMDYRDWVRR, corresponding to amino acid residues 16-32 of mouse Orai2
lsotype:	lgG
Characteristics:	Anti-Orai2 Antibody (ABIN7043414, ABIN7044022 and ABIN7044023)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize Orai2 from human, mouse, and rat samples.
Purification:	Affinity purified on immobilized antigen.
Target Details	
Target:	ORAI2

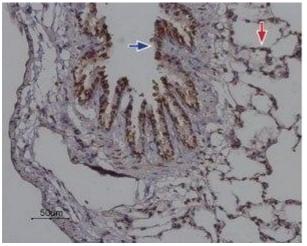
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Target Details	
Alternative Name:	Orai2 (ORAI2 Products)
Background:	Alternative names: Orai2, TMEM142B
Gene ID:	269717
NCBI Accession:	NM_032831
UniProt:	Q8BH10
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	25 μL , 50 μL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



Western Blotting

Image 1. Western blot analysis of human HL-60 promyelocytic leukemia (lanes 1 and 3) and human Jurkat acute T cell leukemia (lanes 2 and 4) cell lysates: - 1,2. Anti-Orai2 Antibody (ABIN7043414, ABIN7044022 and ABIN7044023), (1:200).3,4. Anti-Orai2 Antibody, preincubated with Orai2 Blocking Peptide (#BLP-CC061).



Immunohistochemistry

Image 2. Expression of Orai2 in rat lung -Immunohistochemical staining of paraffin-embedded rat lung sections using Anti-Orai2 Antibody (ABIN7043414, ABIN7044022 and ABIN7044023), (1:100). Strong and specific staining is evident in bronchiolar epithelium (blue) and alveoli walls (red). Hematoxilin is used as the counterstain.

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